

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for transferring data comprising:

performing a synchronization operation wherein the synchronization operation uses a first processing thread to copy a first file from a first data storage to a second data storage using a first connection, and a second processing thread to copy a second file from the first data storage to the second data storage using a second connection, wherein the first file is copied substantially concurrently with the copying of the second file, and wherein the first operation results in a first copied file and a second copied file in the second data storage; and

performing a real-time replication operation wherein the real-time replication operation updates the first copied file and the second copied file in an order determined at least in part by an order in which changes were made to the first file and the second file, respectively, as stored in the first data storage.
- 2-3. (Cancelled)
4. (Original) The method of claim 1, wherein the first file and the second file are copied regardless of order.
5. (Cancelled)

6. (Currently amended) The method of claim 1, wherein a first command associated with the ~~first~~ synchronization operation can be processed by a first thread or a second thread, and a second command associated with the ~~second~~ real-time replication operation can be processed by the second thread.

7. (Previously presented) The method of claim 1, wherein the copying of the first file is associated with a first connection between the first data storage and the second data storage, and the copying of the second file is associated with a second connection between the first data storage and the second data storage.

8. (Currently amended) A system for transferring data comprising:

a processor;

a first data storage coupled to the processor, wherein the first data storage is associated with a first file and a second file; and

wherein the processor is configured to perform a synchronization operation wherein the synchronization operation uses a first processing thread to copy the first file from the first data storage to a second data storage using a first connection, and a second processing thread to copy a second file from the first data storage to the second data storage using a second connection, wherein the first file is copied substantially concurrently with the copying of the second file, and wherein the first operation results in a first copied file in the second data storage and a second copied file in the second data storage; and also configured to perform a real-time replication operation wherein the real-time replication operation updates the first copied file and the second copied file in an order determined at least in part by an order in which changes were made to the first file and the second file, respectively, as stored in the first data storage.

9-17. (Cancelled)

18. (Currently amended) A system for transferring data associated with a real-time data replication system comprising:

a processor configured to ~~provide~~ use a main thread, wherein the main thread can process a ~~synchronization type of command~~ and a ~~dynamic replication type of command~~; also configured to provide a synchronization thread, wherein the synchronization thread can process the ~~synchronization type of command~~ but not the ~~dynamic replication type of command~~; wherein the synchronization thread is configured to process a synchronization command ~~of the synchronization type~~ substantially concurrently with the processing by the main thread of a synchronization command ~~of the synchronization type~~ and to not process a synchronization command ~~of the synchronization type~~ at a time when the main thread is processing a dynamic replication command ~~of the dynamic replication type~~; and

a memory coupled to the processor for providing the processor with instructions.

19. (Currently amended) A computer program product for transferring data, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

performing a synchronization operation wherein the synchronization operation uses a first processing thread to copy a first file from a first data storage to a second data storage using a first connection, and a second processing thread to copy a second file from the first data storage to the second data storage using a second connection, wherein the first file is copied substantially concurrently with the copying of the second file, and wherein the first operation results in a first copied file and a second copied file in the second data storage; and

performing a real-time replication operation wherein the real-time replication operation updates the first copied file and the second copied file in an order determined at least in part by an order in which changes were made to the first file and the second file, respectively, as stored in the first data storage.

20. (Cancelled)

21. (Currently amended) The ~~method~~ system of claim ~~[[9]]~~ 18 wherein the main thread, the synchronization thread, or both process commands from a kernel cache.

22. (Currently amended) The ~~method~~ system of claim 21 wherein the synchronization thread skips commands in the kernel cache that have been or are being processed by other threads until it finds a synchronization command that has not yet been and is not currently being processed by another thread.

23. (Currently amended) The ~~method~~ system of claim 21 wherein when the synchronization thread does not move ahead of the main thread unless the main thread is performing a synchronization command.

24. (Currently amended) The ~~method~~ system of claim 21 wherein if a synchronization thread does not encounter synchronization commands in the kernel cache, the synchronization thread closes after a time interval.

25. (Currently amended) The ~~method~~ system of claim [[9]] 18 wherein the main thread does not process dynamic replication types of commands unless all synchronization threads that are executing synchronization commands are completed.